

Order No.: DD+DIS108.01E



1 piece UMKHO MA1

ADC Solo  
Type 5155

| Rating          |             |              | When?       |              |             |
|-----------------|-------------|--------------|-------------|--------------|-------------|
| safety relevant | reliability | new function | immediately | next service | as required |
|                 | X           |              |             |              | X           |

Please file this document in section 13 of your technical documentation

## Laser Diodes with wrongly connected Wires at Peltier Element

**Symptom:** The Peltier element at the laser module (GS434, see Figure 1) - intended for cooling the device - may cause a heating effect, which is responsible for sporadic artifacts of the machine.

**Defect:** With an uncertain amount of laser modules the wiring of the Peltier element has been confused. This causes a heating effect.

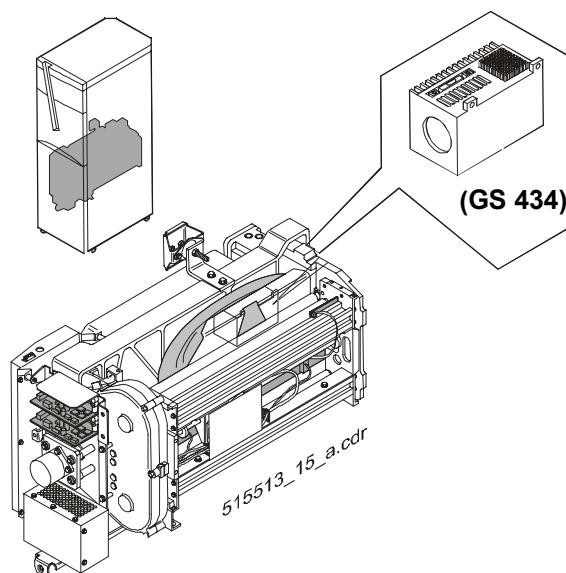


Figure 1



Due to the heating up the nominal power of the laser varies. As an example the following power variations can occur during a scan process:

23 mW

23 mW

13 mW out of range of tolerance!

23 mW

22 mW

11 mW out of range of tolerance!

23 mW

23 mW

These variations cause artifacts in the picture.

**Solution:**

- Check, if the cables inside the Peltier element are connected correctly, see Figure 2:  
black cable: left (facing the rear side of the machine)  
red cable: right (facing the front side of the machine)



Figure 2

- Check with the Diagnosis Software → Scan & Signals if the red Service-LED = on, because of the laser power is out of range of tolerance.
- If the cables inside the Peltier element are connected wrongly, remove the laser module (see section 6.5, item 1.7 of your technical documentation) and send it – provided with a defect label – to the following address: AGFA Munich, Retourenstelle Tegernseer Landstr. 161 D-81536 Munich



It is **not** possible to open the Peltier element in the field and exchange the cables on site.